

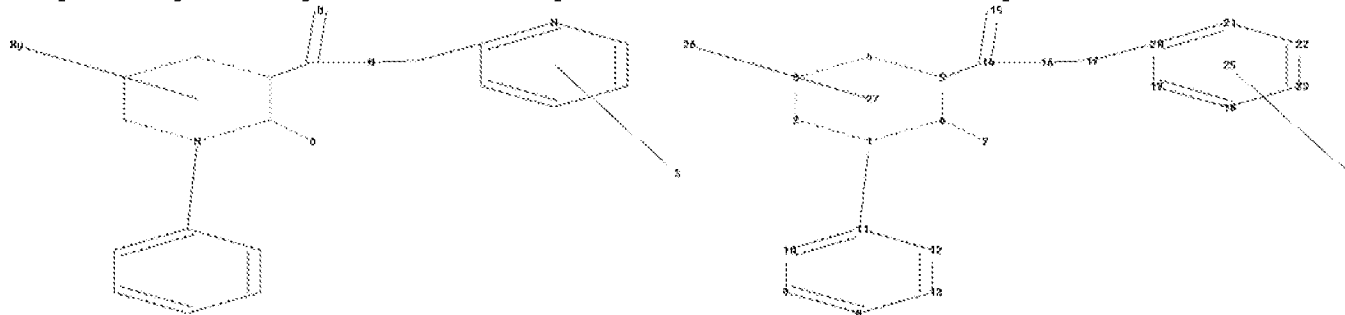
10/572,706 (species)

***** Welcome to STN International *****
 ***** STN Columbus *****

FILE 'HOME' ENTERED AT 07:54:02 ON 09 JUL 2010

=> file reg

=>uploading C:\Program Files\Stnexp\Queries\Queries\10572706_species.str



chain nodes :

7 14 15 16 17 24 26

ring nodes :

1 2 3 4 5 6 8 9 10 11 12 13 18 19 20 21 22 23

chain bonds :

1-11 5-14 6-7 14-15 14-16 16-17 17-20

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13 18-19 18-23
 19-20 20-21 21-22 22-23

exact/norm bonds :

1-2 1-6 1-11 2-3 3-4 4-5 5-6 6-7 14-15 14-16 16-17

exact bonds :

5-14 17-20

normalized bonds :

8-9 8-13 9-10 10-11 11-12 12-13 18-19 18-23 19-20 20-21 21-22 22-23

isolated ring systems :

containing 18 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom 19:Atom
 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:Atom 26:Atom 27:Atom

=> s l1 sam

L2 0 SEA SSS SAM L1

=> s l1 full

L3 2 SEA SSS FUL L1

=> file caplus

=> s l3

L4 1 L3

=> dis l4 bib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN
 AN 2005:260028 CAPLUS Full-text
 DN 142:316705

10/572,706 (species)

TI Preparation of 2-pyridone derivatives as neutrophil elastase inhibitors
 and their use for treating inflammation
 IN Andersson, Marjana; Hansen, Peter; Loenn, Hans; Nikitidis, Antonios;
 Sjoelin, Petter
 PA Astrazeneca AB, Swed.
 SO PCT Int. Appl., 101 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005026123	A1	20050324	WO 2004-SE1335	20040915
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2004272484	A1	20050324	AU 2004-272484	20040915
	AU 2004272484	B2	20080313		
	CA 2538405	A1	20050324	CA 2004-2538405	20040915
	EP 1663973	A1	20060607	EP 2004-775438	20040915
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
	BR 2004014548	A	20061107	BR 2004-14548	20040915
	CN 1882542	A	20061220	CN 2004-80033847	20040915
	JP 2007505901	T	20070315	JP 2006-526855	20040915
	RU 2353616	C2	20090427	RU 2006-112428	20040915
	NZ 545963	A	20090925	NZ 2004-545963	20040915
	MX 2006002724	A	20060606	MX 2006-2724	20060309
	KR 2006087569	A	20060802	KR 2006-705456	20060317
	ZA 2006002261	A	20070725	ZA 2006-2261	20060317
	NO 2006001660	A	20060411	NO 2006-1660	20060411
	IN 2006DN02107	A	20070713	IN 2006-DN2107	20060418
	IN 234227	A1	20090605		
	US 20070203129	A1	20070830	US 2007-572706	20070108
	IN 2009DN02359	A	20090522	IN 2009-DN2359	20090409
	IN 2009DN02360	A	20090522	IN 2009-DN2360	20090409
PRAI	SE 2003-2486	A	20030918		
	WO 2004-SE1335	W	20040915		
	IN 2006-DN2107	A3	20060418		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 142:316705; MARPAT 142:316705

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein Y = CH, CF, N; R1 = H, alkyl; R2 = (un)substituted Ph, 5- or 6-membered heteroaryl containing 1 to 4 heteroatoms; G1 = Ph, 5- or 6-membered heteroaryl containing 1 to 3 heteroatoms; each R5 = independently H, halo, CN, alkoxy, NO2, etc.; n = 1-3; R4 = H, (un)substituted alkyl; L = a

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bond, O, SO, SO₂, S, NH, etc.; G2 = (un)substituted monocyclyl, bicyclyl; and their optical isomers, racemates, tautomers, and pharmaceutically acceptable salts] were prepared as human neutrophil elastase (HNE) inhibitors for treating inflammation. Thus, acylation of 4-methylsulfonylbenzylamine•HCl with 6-methyl-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2-dihydropyridine-3- carboxylic acid (preparation given), iodination, and Pd-cross coupling of the iodide with phenylboronic acid gave pyridone II. Selected I gave IC₅₀ values for inhibition of HNE activity of less than 30 μM.

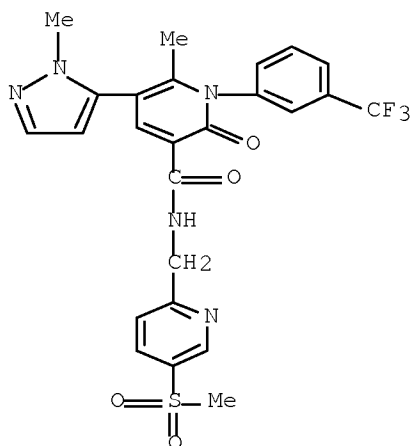
IT 848141-11-7P, 6-Methyl-5-(1-methyl-1H-pyrazol-5-yl)-N-[[5-(methylsulfonyl)pyridin-2-yl]methyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2-dihydropyridine-3-carboxamide 848141-15-1P, 5-(3,5-Dimethylisoxazol-4-yl)-6-methyl-N-[[5-(methylsulfonyl)pyridin-2-yl]methyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]-1,2-dihydropyridine-3-carboxamide

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of 2-pyridones as human neutrophil elastase inhibitors and their use for treating inflammation)

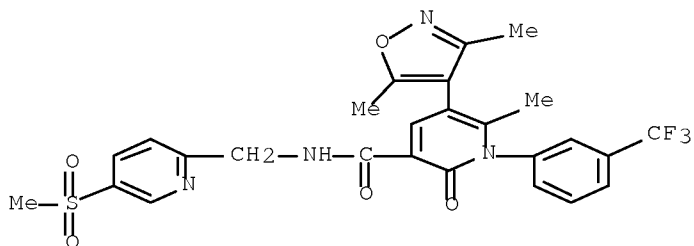
RN 848141-11-7 CAPLUS

CN 3-Pyridinecarboxamide, 1,2-dihydro-6-methyl-5-(1-methyl-1H-pyrazol-5-yl)-N-[[5-(methylsulfonyl)-2-pyridinyl]methyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 848141-15-1 CAPLUS

CN 3-Pyridinecarboxamide, 5-(3,5-dimethyl-4-isoxazolyl)-1,2-dihydro-6-methyl-N-[[5-(methylsulfonyl)-2-pyridinyl]methyl]-2-oxo-1-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



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OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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STN INTERNATIONAL LOGOFF AT 07:55:36 ON 09 JUL 2010